



CROSSTALK

A Publication of the TRW Amateur Radio Club



NOVEMBER 1991

CALENDAR

Every Monday: DCS Net on 145.32 Repeater, 7:30 PM

Every Wednesday: Emergency Communications Team Net on
145.32 Repeater NOON * Note Time Change

Every Friday: Club Breakfast in Bldg S Cafeteria, 7 to 8 AM

Nov 26: Club Meeting, E2/1200, Noon

Nov 30: TRW ARC Swapmeet, Parking lot on NW corner of Aviation and
Marine, 7-11 AM

Dec 3: Emergency Communications Team Meeting, R3 EOC, Noon

Dec 3: EBM, Upper Crust Pizza, 5 PM

Dec 17: Club Meeting, E2/1200, Noon

Dec 28: TRW ARC Swapmeet

Jan 3: Deadline for January Crosstalk submissions

Jan 7: EBM, Upper Crust Pizza, 5 PM

Jan 25: TRW ARC Swapmeet

Jan 28: Club Meeting, E2/1200, Noon

EDITORS NOTES:

This will be the last regular Crosstalk for this year. The December issue will be devoted to the election of officers for 1992 and membership renewal. Next year the deadline for Crosstalk submissions will be the first of the month. I will then be able to go to press the first week of each month allowing ample time for each issue to reach the membership at least a week before the monthly club meeting. 73 de KJ6GR.

Club meeting Tues. Nov.26 at noon in E2/1200

This month's presentation will be by Jeff Shields n9cza on the use of Amateur fast scan Television at the Tournament of Roses parade.

Club elections in November

We will be accepting nominations in November for 1992 club officers, and the election will then be held in December. The elected officers are President, Vice President, Secretary, and Treasurer. If you would like to run for an office, or would like to fill one of the staff positions listed on the back of the Crosstalk, please contact Jeff n9cza at x25669 for more info. You can and will make a difference.

Volunteers needed to work the Rose Parade 12/31/91 - 1/2/92

TORRA, the Tournament of Roses Radio Amateur Association is looking for volunteers to help with communications for the Rose Parade in Pasadena during the 3 days around New Year. Interested persons should contact Cliff Ford KB6IA at 213-257-3292 (evenings). Also, there is a TORRA net on Thursday evenings (every evening after Christmas) at 7:30pm on 147.27+ , where volunteers can register and receive assignments and instructions. Come join the fun and practice emergency communications procedures.

ECT meeting Tuesday Dec.3 at noon in R3 EOC

The next meeting of the Emergency Communications Team will be on Tuesday December 3 from noon-1pm in the R3 EOC. All interested club members are invited to join the team. We are currently making plans for 1992 ECT activities, and all are welcome to participate.

73 de Jeff n9cza

Emergency Communications Van

Please join us at the final work party to complete the equipment installation and checkout. This activity will take place on December 7th from 9:00 to 2:00 PM at the Heliport west of Bldg 02.

For information please call Dave Qualls at 536-2147 (days)

TOURNAMENT OF ROSES RADIO AMATEURS

The day of the 1992 Rose Parade is rapidly approaching, and it is time to distribute assignment information and credentials necessary for you to provide communication assistance to Tournament of Roses personnel. The credentialing packets will be distributed at two meetings, **WEDNESDAY DECEMBER 11, 1991** and **TUESDAY DECEMBER 17, 1991**; both meetings will begin at **7:00 PM** at the **TOURNAMENT HOUSE**, 391 Orange Grove Boulevard in Pasadena. It is absolutely essential that you attend **ONE** of the two meetings to pick up your assignment information and credentials packet. We will also be discussing last minute instructions and answering any specific questions you may have.

A lot of behind the scenes effort has gone into registering over 350 TORRA operators and assigning them to almost 300 positions. TORRA activity is not limited to voice communications, but also includes amateur television and portable packet radio. The period just before the credentialing meetings is the most critical in that we are finalizing assignments and printing the assignment labels. If you receive this letter, we assume that you will be available for an assignment. If you know that you will not be available for a New Years assignment, PLEASE call Cliff (KB6IA) at (213) 257-3293 (home, evenings) or (213) 894-5530 during normal work hours as soon as possible so that we can assign someone else to your position. It is very time consuming when we have to contact each of you who failed to pick up your packet at either of the credentialing meetings only to find that you will not be available. We then have to call standby operators, many of whom are toll calls, explain their assignments, and make arrangements for them to pick up their packets. In summary, please show some courtesy, and let us know if you will not be available so we can make other arrangements. Also, if you find that after receiving your packet you will be unable to participate because of an unforeseen emergency, please let us know as soon as possible so we can make other arrangements. Your participation is appreciated by the Tournament of Roses Association and TORRA, and we look forward to another successful New Years event.

Don't forget the TORRA net that meets every Thursday evening (nightly after Christmas) at 7:27PM on 147.27+ for last minute instructions. Volunteers can be registered and last minute assignments will be announced. We are still in need of additional volunteers, so please pass the word among your amateur friends and clubs. Interested persons may contact :

Cliff Ford KB6IA
391 Tamarac Dr.
Pasadena, CA 91105
213/257-3293 (evenings)

Please be sure to RSVP per Tournament instructions if you plan to attend the Tournament of Roses reception so they may plan for the proper number of attendees. This is an important opportunity to meet the Committee Chairman and get an idea of what they want from their communicators.

NO CREDENTIALS WILL BE AVAILABLE AT THE RECEPTION!!!

Club Survey Results Update:

We have received 40 survey responses to date, thanks to all who took the time to help. Of those who responded 37% hold Extra Class licenses, 30% Advanced, 8% General, 18% Technician and 2% Novice tickets. Fifty eight percent have been licensed over 20 years, 8% 11-20 years, 8% 6-10 years and 26% less than 5 years. The reasons for joining the club were evenly distributed between the swapmeet, Field Day, the Bldg 65 shack, support for the W6TRW repeater and just plain keeping in touch with our hobby.

The most popular activities are the swapmeet, Field Day, Emergency Communications, use of the club shack and club meetings. As far as interests go HF(76%) closely followed by VHF(68%) were the most popular. Other significant interests are UHF(53%), DX(50%), CW(47%), and computers(39%). Seventy five percent of the respondents prefer noon meetings but 67% seldom attend. Eighty six percent seldom use the club shack.

Most of those who replied attend the swapmeet regularly and are not sellers (77%); sixty eight percent indicated a willingness to help. Sixty percent are in favor of holding VE exams after the swapmeet and 77% feel the club should offer entry level classes.

I have ARRL VE manuals and applications, call me if you are interested. We need a volunteer to run the VE test sessions and another to be training chairman. I can only handle one job with my present workload. 73 de KJ6GR.

TRW ARC 40 METER NET:

For the past couple of years TRW ARC members who operate in the HF bands have been getting together on 40 Meters, Monday, Wednesday and Friday at 6 PM PST. The net had been carried on 7.253 MHz until recently when QRM got heavy and we switched to 7.185 MHz. We lost a few operators during the frequency switch and hope the announcement of the new frequency will see the return of the lost operators (assuming they have Advanced or Extra tickets. Ed.). A list of regulars on the net are Bill, K6AWS (Idaho), Bill, K6AWO, Frank, W6SCL (Monterey), Bill, KE6LB (Ramona), Wayne, KI6GM, Al, W6KQI (Tehachapi), Merwin, K6RL (Tehachapi) and Herb, W6FQ. Typically 4-6 members show up on the net and we have some very interesting discussions including very chilly weather reports from K6AWS in Idaho. We would sure like to have other TRW ARC members come up on the net and join our friendly QSO's. See you on 7.185 MHz, M-W-F, 7 PM. Bill Schrecengost, KE6LB.

A BRIEF TEST ON AN ISOLOOP

I had a chance to use two basic instruments to check an Isolooop. It was an interesting and educational test. A brief rundown follows:

Instruments: MFJ 204B Ant. Bridge with a Freq. Counter
MFJ 202B Noise Bridge with S-meter in rcvr
MFJ 815B SWR/Wattmeter

Antenna : AEA Isolooop with about 45' coax

The instruments were not of lab. type and hence the readings were approximate. Nevertheless, they gave a good correlation of the results as shown below and were close enough for 'ham' purposes. Since the antenna was remotely tuned for minimum VSWR, only one freq was tested in each ham band from 14 to 30 Mhz. A chart was also plotted.

FREQ.	815B/SWR	ANT BRIDGE	NOISE BRIDGE
14.30	1.5	~40	~41 ohms
18.15	1.4	~50	~43
21.40	1.6	~68	~65
24.95	1.8	~30	~34
28.50	2.8	~120	~126

The data in the 28Mhz region did not check out with the mfr's (<2). Since the ant was mounted on a sundeck and was only two feet higher than the roof nearby (which was also two feet away), I suspect that its location had affected the readings. This was a 'portable' installation and because of its light weight, it could be put down in windy days or during vacation time!

This antenna is not for dx use. However, I had made contacts with OZ, VK, JH among others. It is compact with a performance, I believe, equals to that of a dipole of omnidirectional characteristics (horizontally mounted), but with a freq coverage ratio of 2:1. (The latest version has a ratio of 3:1) Because of its narrowband characteristics, while minimizing the noise spectrum at the same time, a tuning indicator for reflection power is a must.

73, de W6IOW

EDITOR'S NOTE: I've analyzed the AEA type loop on MININEC and found it to perform at least as good as a dipole. That's pretty good for such a small antenna. If anyone is interested I'll be happy to send them a copy of the computer generated plots.



ARRL NATIONAL CONVENTION

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and Orange County Council of Amateur Radio Organizations

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Saturday: 9AM to 5PM
Sunday: 9AM to 1PM



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Thursday: Industry Reception
Friday: ARRL Educational Workshop,
Hospitality Suites
Saturday: Breakfast, Swap Tables,
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Sunday: Breakfast, Auction, T-Hunt

PROGRAM HIGHLIGHTS

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